Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/07/2019 09:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123806	-1	2.59	123884	2.67
Blue	F	SSC	125000	122385	-3	4.13	123221	4.09
Blue	E	FITC	16694	16456	-2	4.00	384	21.75
Blue	D	PE	32792	32165	-2	3.35	709	16.44
Blue	B	PerCP-Cy5-5	44451	43655	-2	4.86	1200	23.46
Blue	A	PE-Cy7	33645	33538	-1	7.15	607	49.30
Red	C	APC	47008	46531	-2	3.09	1803	13.35
Red	A	APC-Cy7	32298	31706	-2	2.98	793	14.03
Violet	B	V450	8961	8660	-4	4.86	479	14.41
Violet	A	V500	32726	31356	-5	4.58	754	11.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20119	5.98	609	-4	N/A	N/A	Pass
Blue	F	SSC	55296	3.56	579	11	N/A	N/A	Pass
Blue	E	FITC	65	70.76	567	4	0.0158	142	Pass
Blue	D	PE	141	57.74	571	5	0.1314	292	Pass
Blue	B	PerCP-Cy5-5	219	57.10	676	5	0.0070	46	Pass
Blue	A	PE-Cy7	118	122.31	732	6	0.0084	23	Pass
Red	C	APC	410	29.30	612	-1	0.0197	198	Pass
Red	A	APC-Cy7	195	32.23	584	-1	0.0047	1279	Pass
Violet	B	V450	70	67.59	485	-1	0.0426	1941	Pass
Violet	A	V500	107	35.64	494	-2	0.0184	517	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.78	-32.27	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.81	13.60 - 20.40	N/A	N/A	29.31	29.85	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13955

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments